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IN THE APPLICATION OF: )  
Thomas Farrell et al. )  
Serial No. 10/526,286 ) Examiner: TBA  
International App. No. PCT/IE2003/000115 ) Group Art Unit: TBA  
International Filing Date: August 29, 2003 )  
Title Method and System for Detection of Regions )  
of Instability in Multi-Section Tunable Lasers )

## TRANSMITTAL LETTER

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Siri:

In regard to the above identified application:

1. We are transmitting herewith the attached:
  - a. Response to Notification of Missing Requirements;
  - b. Executed Declaration and Power of Attorney;
  - c. Request for Two-Month Extension of Time;
  - d. Copy of Notification of Missing Requirements and Postcard.
2. With respect to additional fees:
  - a. X Attached is a check in the amount of \$580.00.
  - b. X Charge any additional fees or credit any overpayment to our Deposit Account No. **13-2490**. A duplicate copy of this sheet is enclosed.
3. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

01/09/2006 MKAYPAGH 00000082 10526286

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130.00 QP

Date: January 3, 2006

By

Don Schoedel

Lisa M. Schoedel

Reg. No. 53,564

**McDonnell Boehnen Hulbert & Berghoff LLP**  
300 South Wacker Drive  
Chicago, Illinois 60606  
Telephone: (312) 913-0001  
Facsimile: (312) 913-0002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**MBHB Case No. 05-171**

## PATENT

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Thomas Farrell et al. )  
Serial No. 10/526,286 ) Examiner: TBA  
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Title Method and System for Detection of Regions )  
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RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Response to Notification of Missing Requirements Under 35 U.S.C. 371, dated August 31, 2005, there are enclosed herewith:

- (a) Declaration & Power of Attorney executed on behalf of Thomas Farrell and Edmund Mowse;
- (b) Our check in the amount of \$580.00 to cover the surcharge fee;
- (c) Request for Two-Month Extension of Time; and
- (d) A copy of Notification for Missing Requirements.

If the check is inadvertently omitted, or should any additional fees under 37 C.F.R. §§ 1.16 to 1.21 be required for any reason relating to the enclosed materials, or should an overpayment be included herein, the Commissioner is authorized to deduct or credit said fees from or to McDonnell Boehnen Hulbert & Berghoff LLP, Account No. 13-2490.

Please date stamp and return the accompanying postcard to evidence receipt of these documents.

Respectfully Submitted,  
McDonnell Boehnen Hulbert & Berghoff LLP

Date: January 3, 2006

By

  
Lisa M. Schoédel  
Reg. No. 53,564



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/526,286	Thomas Farrell	05-171
INTERNATIONAL APPLICATION NO.		
PCT/IE03/00115		
I.A. FILING DATE		PRIORITY DATE
08/29/2003		09/02/2002
<b>CONFIRMATION NO. 6270</b> <b>371 FORMALITIES LETTER</b> <b>*OC000000016906367*</b> <b>*OC000000016906367*</b>		

Date Mailed: 08/31/2005

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 03/01/2005
- Copy of the International Search Report filed on 03/01/2005
- Preliminary Amendments filed on 03/01/2005
- Request for Immediate Examination filed on 03/01/2005
- U.S. Basic National Fees filed on 03/01/2005
- Priority Documents filed on 03/01/2005

**DOCKETED**

SEP 07 2005

DUE DATE: 10-31-05  
 BY: *[Signature]*

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice MUST be returned with the response.*

KAREN M WILLIAMS

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Telephone: (703) 308-9140 EXT 213

**PART 1 - ATTORNEY/APPLICANT COPY**

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/526,286	PCT/IE03/00115	05-171

FORM PCT/DO/EO/905 (371 Formalities Notice)